



**Product:** [45110](#) 

XTRAGUARD 4, 10C #22, Str, TPE, 300 V, AWM/STYLE 20237 125C, PLTC 105C, AWM/STYLE 21918 125C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only)

## Product Description

XTRAGUARD 4, 10 Conductor 22 AWG (7/30) TC - Tinned Copper, TPE Insulation, Overall Aluminum/Polyester Shield, Slate TPE Outer Jacket, AWM/STYLE 20237 125C, PLTC 105C, AWM/STYLE 21918 125C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only) C(RU) AWM I/II A/B FT1, SUN RES (Black only)

## Technical Specifications

### Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	10	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	TPE - Thermoplastic Elastomer	0.016 in (0.41 mm)	0.062 in (1.6 mm)	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Slate, White

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Braid	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Braid	Tinned Copper (TC)	70%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.045 in (1.1 mm)	0.370 in (9.40 mm)	Yes

Overall Cable Diameter (Nominal):	0.370 in (9.40 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	20.2 pF/ft (66.3 pF/m)	36 pF/ft (120 pF/m)	0.2 µH/ft (0.66 µH/m)

Nom Outer Shield DCR:	27 Ohm/1000ft (89 Ohm/km)
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#### Voltage

UL Voltage Rating	Voltage Rating
300 V (PLTC, AWM 20237, AWM 21918)	300 V (CSA AWM)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
125°C	-50°C To +125°C

## Bend Radius

### Stationary Min.

3.7 in (94 mm)

Max. Pull Tension: 78 lbs (35 kg)

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance - Black only
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	FT1
NEC / UL Compliance:	Article 725, PLTC
AWM Compliance:	AWM 20237AWM 21918, AWM I/II A/B
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	Alpha Wire -* P/N 45110 10C 22 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C SUN RES OR AWM 20237/21918 125C 300 V OR CRU AWM I/II A/B 125C 300 V FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE)
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## History

Update and Revision:	Revision Number: 0.20 Revision Date: 06-30-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length
45110 BK199	Black	Cut to Length	1 ft

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